



Code

YAVZ4V , NAYBY **AL/PVC/STA/PVC**

YAVZ4(a)V , NAYB(a)Y **AL/PVC/ATA/PVC**

Voltage Rating

0.6/1 kV

Standards

TS IEC 60502-1 , VDE 0276

IEC 60228

Conductor

Reaction to Fire Classification (CPR)

EN 60332-1-2

Flame Retardant

Conductor

Stranded Aluminum Conductor (Class 2)

Insulation

PVC (Polyvinyl Chloride)

Filler

PVC Filler

Armour

Double Steel Tape (Double Aluminium Tape for one core cables)

Sheath

PVC (Polyvinyl Chloride)

Technical Data

Max. Operating Temperature	:	70°C
Short Circuit Temperature	:	160°C (max.5 sec)
Bending Radius	:	15D (D : Overall Diameter)
Test Voltage	:	3,5 kV

Application:

For installation indoors and outdoors, in cable ducts, underground , in power or switching stations, local energy distribution industrial plants, where there is no risk of mechanical damage.

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
1x10*	11,7	217,7	1000	3,08	-	-
1x16*	12,7	259,4	1000	1,91	-	-
1x25*	14,3	330,7	1000	1,20	108	91
1x35*	15,3	385,4	1000	0,868	129	112
1x50*	16,9	451,2	1000	0,641	153	137
1x70*	18,8	565,1	1000	0,443	187	173
1x95*	21,3	774,2	1000	0,320	223	212
1x120*	22,6	890,2	1000	0,253	252	247
1x150*	25,0	1060,6	1000	0,206	280	280
1x185*	27,4	1266,0	1000	0,164	314	321
1x240*	30,2	1533,9	500	0,125	358	374
1x300*	33,5	1929,6	500	0,100	397	426
1x400*	37,1	2376,1	500	0,0778	441	488
1x500*	40,8	2850,2	250	0,0605	489	556
1x1000*	56,7	5176,0	250	0,0291	-	-

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
2x10	17,4	600,3	1000	3,08	-	-
2x16	19,4	737,6	1000	1,91	-	-
2x25	22,5	971,3	1000	1,20	103	83
2x35	24,6	1158,1	1000	0,868	123	101
2x50	27,9	1433,5	1000	0,641	145	121
2x70	32,3	1888,0	500	0,443	180	155
2x95	37,1	2880,2	500	0,320	216	189
2x120	39,9	3299,6	500	0,253	246	220
2x150	45,5	4096,2	500	0,206	276	249
2x185	50,1	4900,8	250	0,164	313	287
2x240	56,0	6035,1	250	0,125	362	339

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
3x10	18,3	669,7	1000	3,08	-	-
3x16	20,4	824,4	1000	1,91	-	-
3x25	23,8	1097,8	1000	1,20	103	83
3x35	26,0	1320,4	1000	0,868	123	101
3x50	29,7	1645,6	1000	0,641	145	121
3x70	34,5	2162,3	500	0,443	180	155
3x95	39,6	3283,4	500	0,320	216	189
3x120	43,1	3828,3	500	0,253	246	220
3x150	48,6	4686,1	250	0,206	276	249
3x185	53,6	5586,0	250	0,164	313	287
3x240	60,0	6920,8	250	0,125	362	339

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
3x16+10	21,6	879,7	1000	1,91 - 3,08	-	-
3x25+16	25,0	1162,7	1000	1,20 - 1,91	103	83
3x35+16	26,9	1350,1	1000	0,868 - 1,91	123	101
3x50+25	31,5	1730,2	1000	0,641 - 1,20	145	121
3x70+35	36,5	2732,1	500	0,443 - 0,868	180	155
3x95+50	41,2	3404,5	500	0,320 - 0,641	216	189
3x120+70	45,5	4091,8	500	0,253 - 0,443	246	220
3x150+70	50,1	4835,8	500	0,206 - 0,443	276	249
3x185+95	56,0	5912,1	250	0,164 - 0,320	313	287
3x240+120	61,8	7154,3	250	0,125 - 0,253	362	339
3x300+150	68,8	8834,1	250	0,100 - 0,206	415	401
3x400+185	77,8	12059,8	250	0,0778 - 0,164	474	468

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
4x10	19,8	781,8	1000	3,08	-	-
4x16	22,2	973,4	1000	1,91	-	-
4x25	26,0	1305,9	1000	1,20	103	83
4x35	28,6	1589,8	1000	0,868	123	101
4x50	33,2	2037,6	1000	0,641	145	121
4x70	38,7	3117,2	500	0,443	180	155
4x95	44,1	4016,6	500	0,320	216	189
4x120	47,6	4624,1	500	0,253	246	220
4x150	53,8	5661,3	250	0,206	276	249
4x185	59,8	6850,5	250	0,164	313	287
4x240	66,4	8388,7	250	0,125	362	339
4x300	74,1	10573,5	250	0,100	415	401
4x400	83,5	14177,5	250	0,0778	474	468

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In the Ground at 20°C	In the Air at 30°C
5x10	21,4	913,3	1000	3,08	-	-
5x16	24,1	1149,6	1000	1,91	-	-
5x25	28,4	1572,6	1000	1,20	103	83
5x35	31,8	1965,6	1000	0,868	123	101
5x50	37,1	2952,5	500	0,641	145	121
5x70	42,5	3747,5	500	0,443	180	155
5x95	48,5	4855,0	500	0,320	216	189
5x120	52,4	5594,9	250	0,253	246	220
5x150	59,7	6979,8	250	0,206	276	249
5x185	65,9	8389,5	250	0,164	313	287
5x240	73,8	10399,4	250	0,125	362	339
5x300	82,5	14129,0	250	0,100	415	401
5x400	92,7	17526,9	250	0,0778	474	468

Note 1:

*** For YAVZ4(a)V , NAYB(a)Y cables**

Note 2:

Current carrying capacities are valid at 30°C ambient temperature.